NOVEMBER/DECEMBER 2024

FCA11/FCS11/FDA11/FAI11/CCA11/CCS11 — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

LIBRARY

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What are C Tokens?

2. Define the term – Keywords.

3. How to write a Character?

4. Mention the purpose of 'break' statement.

5. How to compare two Strings?

6. Give an example for Nesting of Functions.

7. What are Command line arguments?

8. Specify an example to define, open and close a File.

9. Define the term — Algorithm.

10. How to exchange the values of two Variables?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Explain the basic structure of C Program using example.

Or

(b) Discuss on Increment, Decrement, Assignment and Conditional Operators in C.

12. (a) Describe about the method of Formatted Input using examples.

Or

(b) Explain the syntax of 'for' and 'do-while' loop with examples.

13. (a) Discuss on the method of declaring, initializing One and Two dimensional Arrays.

Or

(b) Describe the method of Passing Arrays and Strings to Functions.

14. (a) Explain the method of Structure initialization, Copying, comparing Structure variables.

Or

(b) Discuss on the method of using Pointers with Arrays and Strings using examples.

15. (a) Describe the algorithm for Reversing the digits of an Integer.

Or

(b) Explain the algorithm for Generating Prime numbers.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe about Data types, Variables and Constants.

17. Explain the syntax of If-else, Nested If-else and Else-if Ladder with examples.

18. Discuss on the working of different Categories of Functions.

19. Describe the importance of Array of Structures, Arrays within Structures and Structures within Structures using examples.

20. Explain the algorithms for the generation of Fibonacci Sequence and Factorial computation.

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